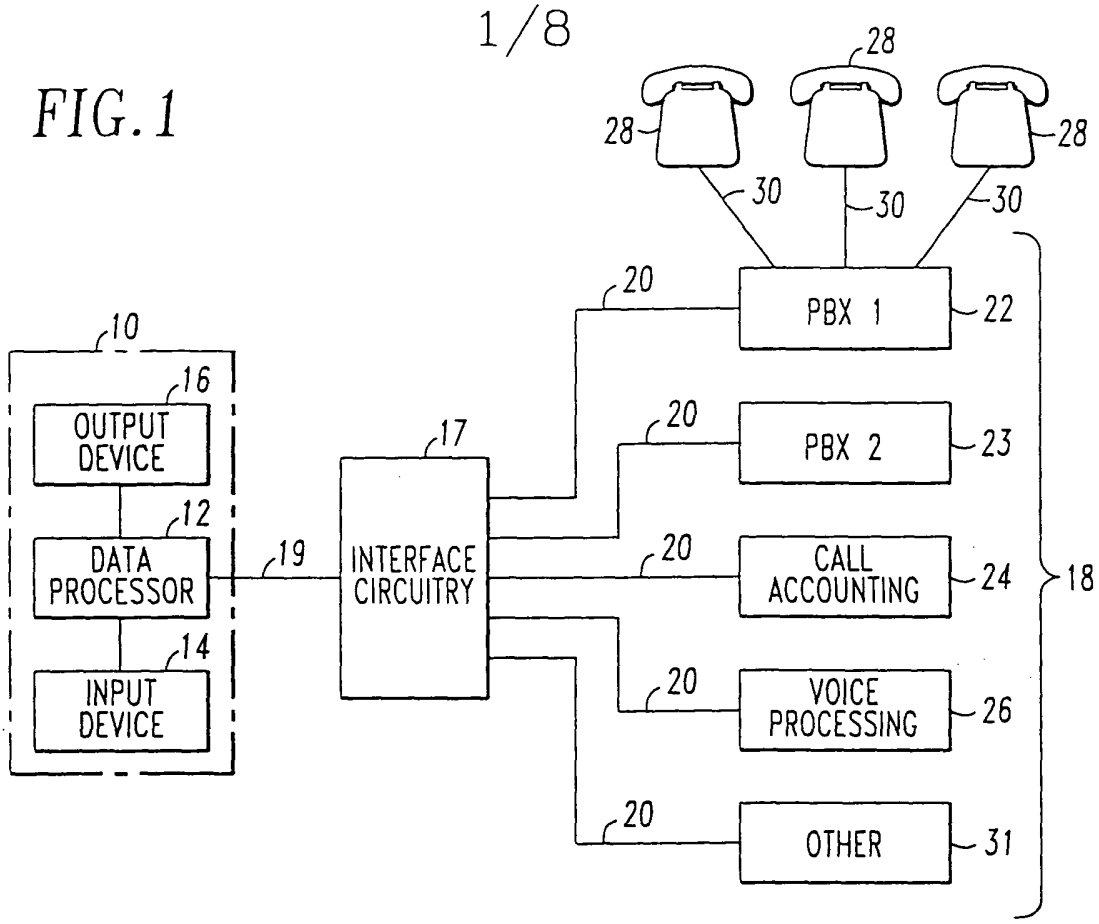
FIG. 1


28
28
28
30
30
30
20
PBX 1
22
10
16
OUTPUT DEVICE
17
20
PBX 2
23
12
DATA PROCESSOR
19
INTERFACE CIRCUITRY
20
CALL ACCOUNTING
24
18
14
INPUT DEVICE
20
VOICE PROCESSING
26
20
OTHER
31

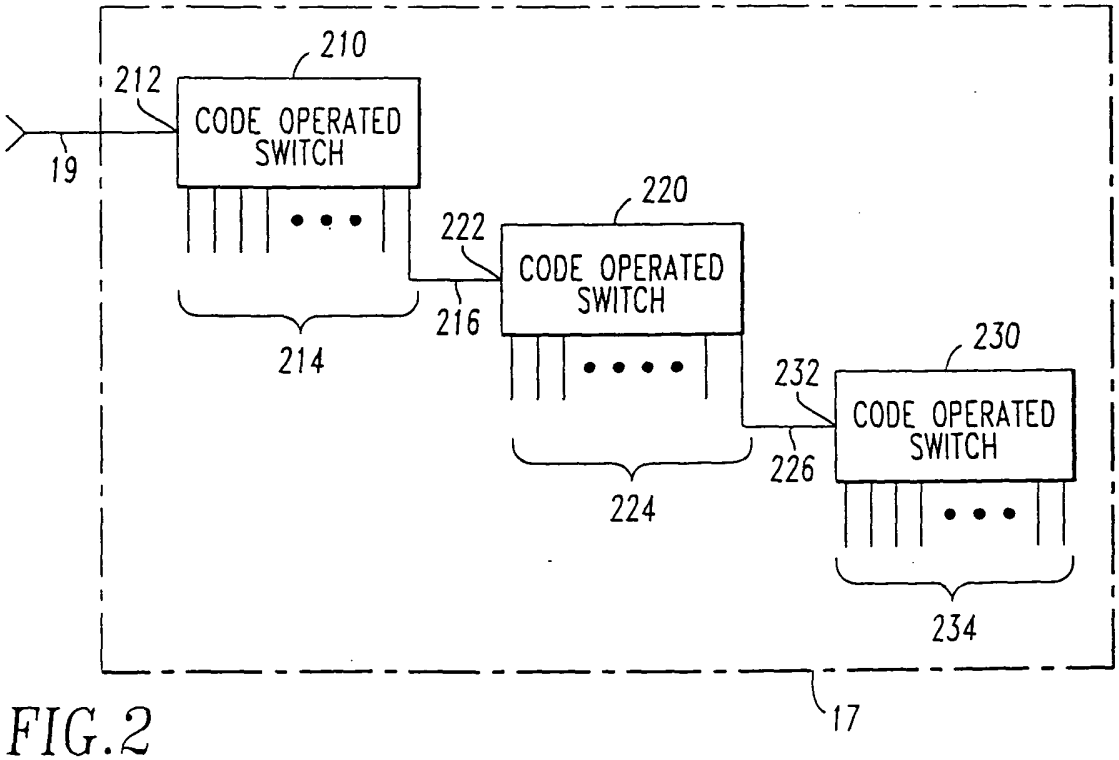

210
212
CODE OPERATED SWITCH
19
220
222
CODE OPERATED SWITCH
216
214
230
232
CODE OPERATED SWITCH
226
224
234
17

FIG. 2

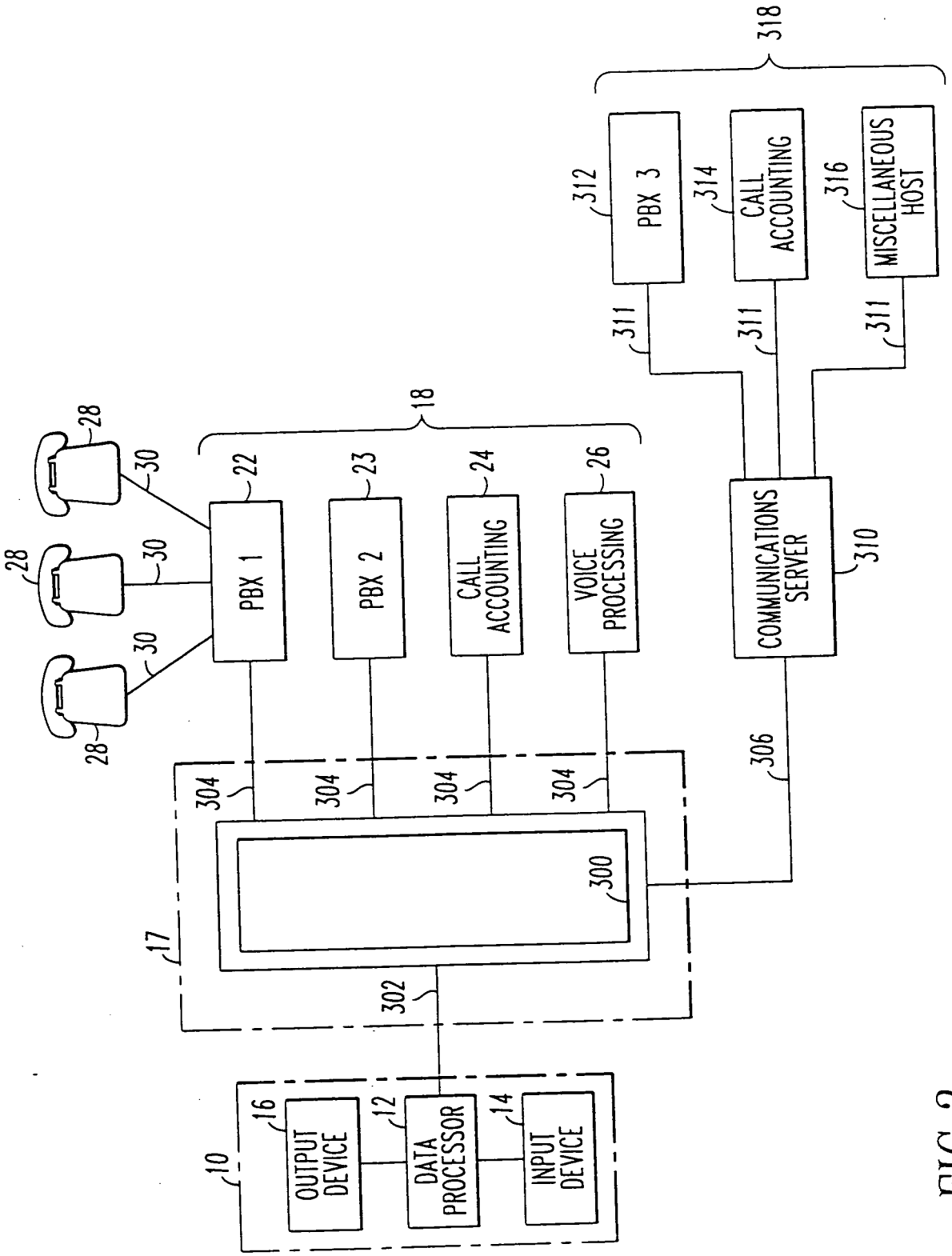
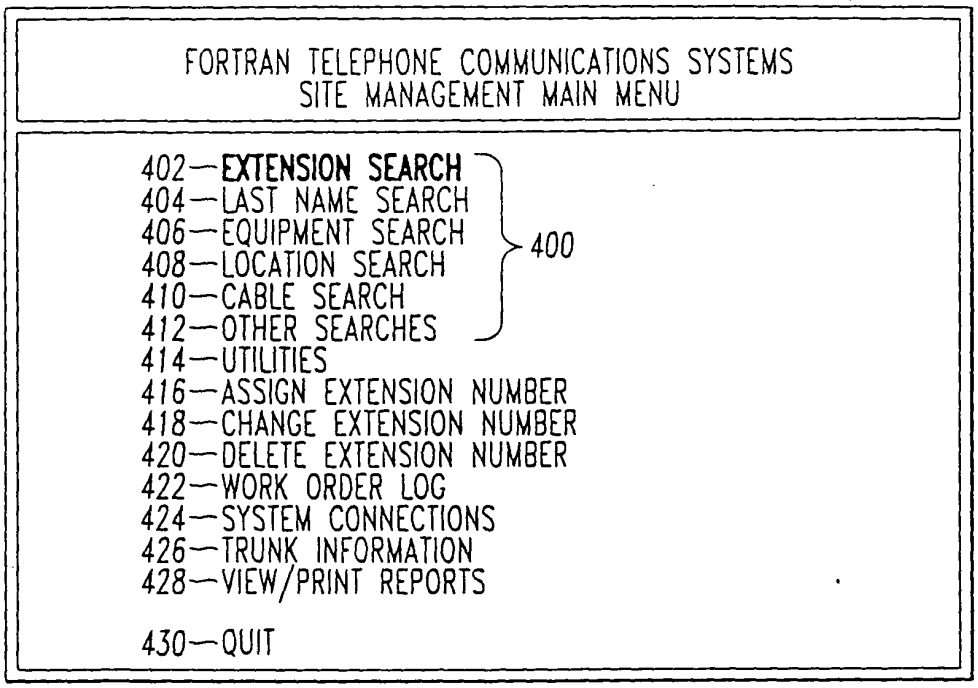

318
312
PBX 3
314
CALL ACCOUNTING
316
MISCELLANEOUS HOST
311
311
311
18
28
30
22
PBX 1
23
PBX 2
24
CALL ACCOUNTING
26
VOICE PROCESSING
COMMUNICATIONS SERVER
310
304
304
304
304
306
300
17
302
10
16
OUTPUT DEVICE
12
DATA PROCESSOR
14
INPUT DEVICE

FIG. 3

FIG.4


FORTRAN TELEPHONE COMMUNICATIONS SYSTEMS
SITE MANAGEMENT MAIN MENU
402—EXTENSION SEARCH
404—LAST NAME SEARCH
406—EQUIPMENT SEARCH
408—LOCATION SEARCH
410—CABLE SEARCH
412—OTHER SEARCHES
400
414—UTILITIES
416—ASSIGN EXTENSION NUMBER
418—CHANGE EXTENSION NUMBER
420—DELETE EXTENSION NUMBER
422—WORK ORDER LOG
424—SYSTEM CONNECTIONS
426—TRUNK INFORMATION
428—VIEW/PRINT REPORTS
430—QUIT

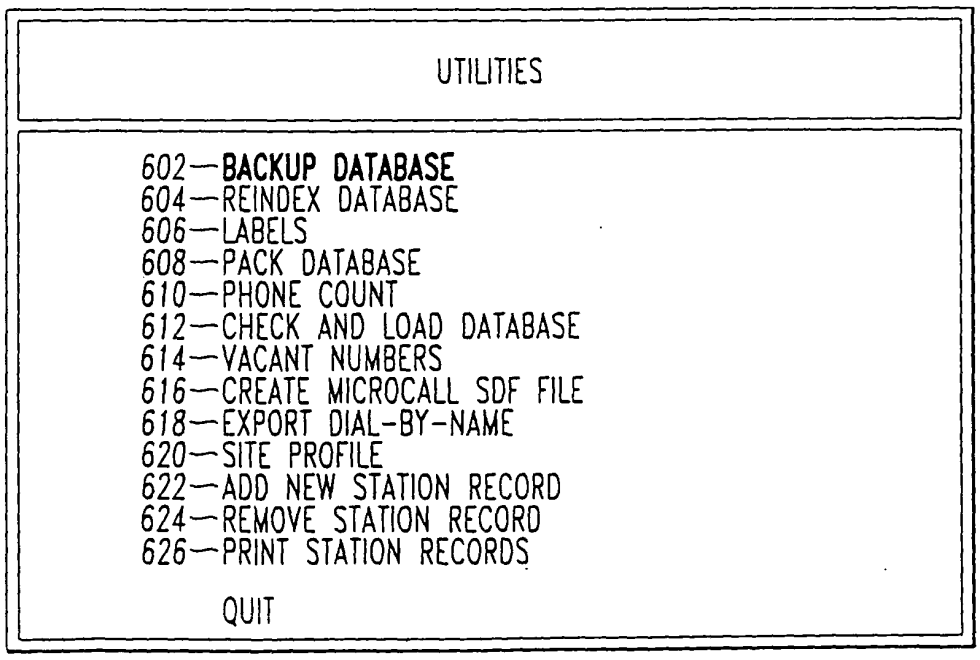

UTILITIES
602—BACKUP DATABASE
604—REINDEX DATABASE
606—LABELS
608—PACK DATABASE
610—PHONE COUNT
612—CHECK AND LOAD DATABASE
614—VACANT NUMBERS
616—CREATE MICROCALL SDF FILE
618—EXPORT DIAL-BY-NAME
620—SITE PROFILE
622—ADD NEW STATION RECORD
624—REMOVE STATION RECORD
626—PRINT STATION RECORDS
QUIT

FIG.6

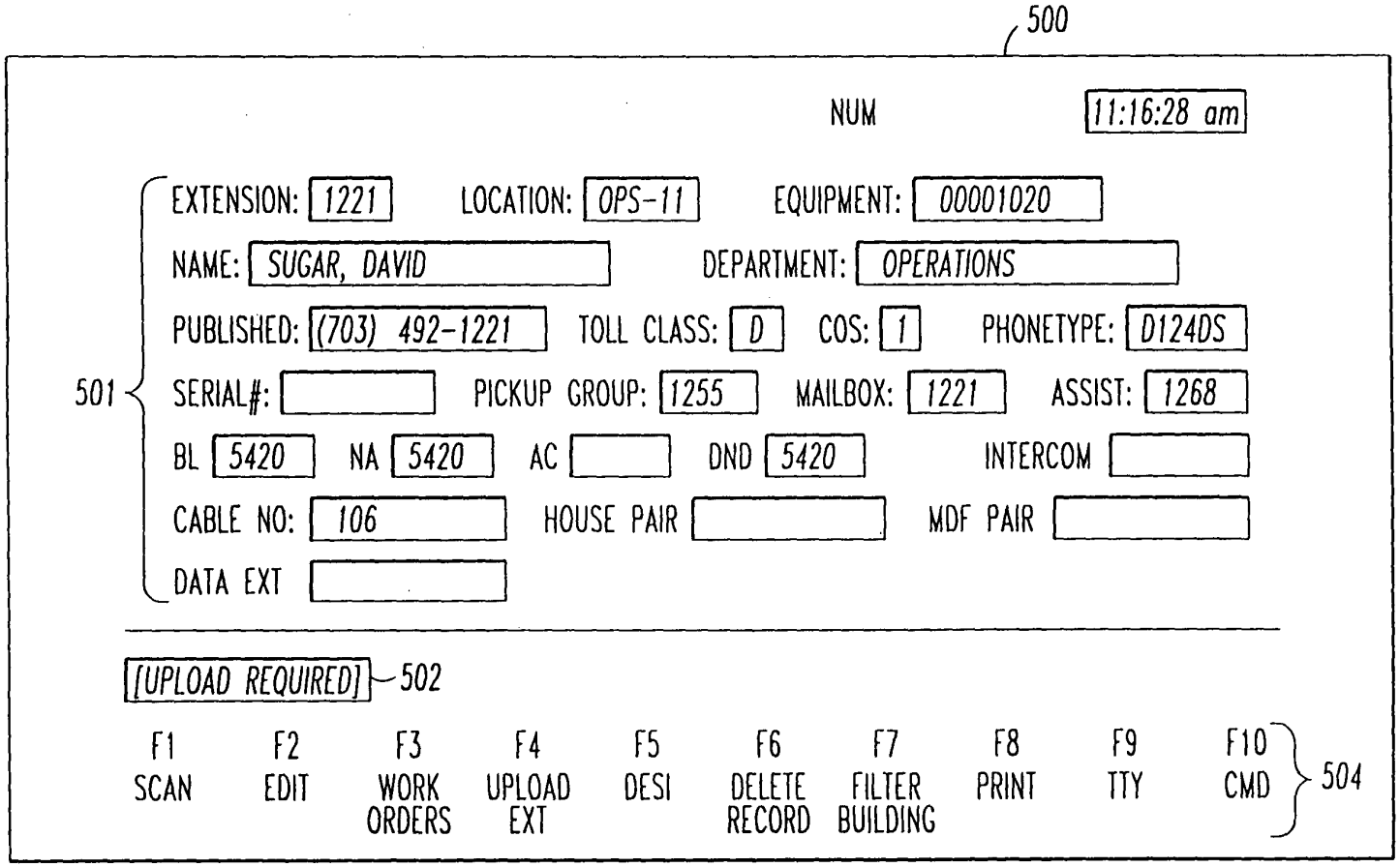
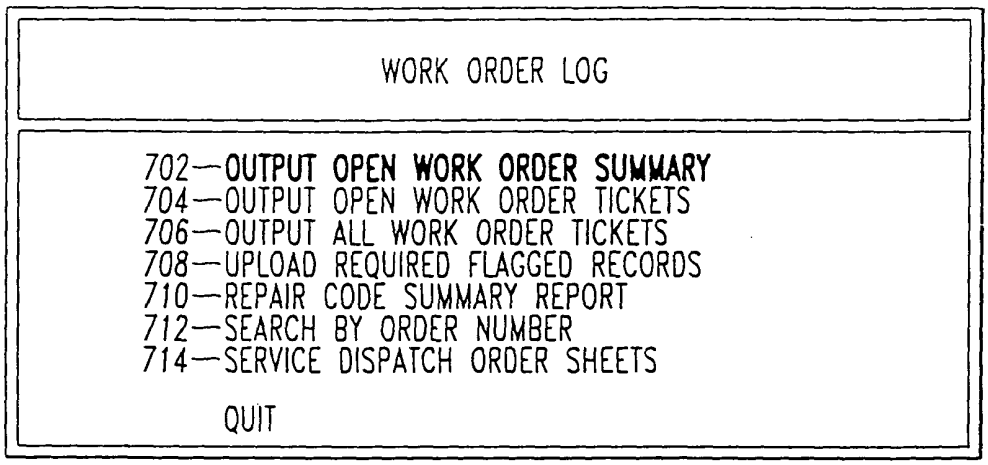

500
NUM
11:16:28 am
EXTENSION: 1221
LOCATION: OPS-11
EQUIPMENT: 00001020
NAME: SUGAR, DAVID
DEPARTMENT: OPERATIONS
PUBLISHED: (703) 492-1221
TOLL CLASS: D
COS: 1
PHONETYPE: D124DS
501
SERIAL#:
PICKUP GROUP: 1255
MAILBOX: 1221
ASSIST: 1268
BL 5420
NA 5420
AC
DND 5420
INTERCOM
CABLE NO: 106
HOUSE PAIR
MDF PAIR
DATA EXT
[UPLOAD REQUIRED]
502
F1 SCAN
F2 EDIT
F3 WORK ORDERS
F4 UPLOAD EXT
F5 DESI
F6 DELETE RECORD
F7 FILTER BUILDING
F8 PRINT
F9 TTY
F10 CMD
504

FIG.5

FIG.7


WORK ORDER LOG
702—OUTPUT OPEN WORK ORDER SUMMARY
704—OUTPUT OPEN WORK ORDER TICKETS
706—OUTPUT ALL WORK ORDER TICKETS
708—UPLOAD REQUIRED FLAGGED RECORDS
710—REPAIR CODE SUMMARY REPORT
712—SEARCH BY ORDER NUMBER
714—SERVICE DISPATCH ORDER SHEETS
QUIT

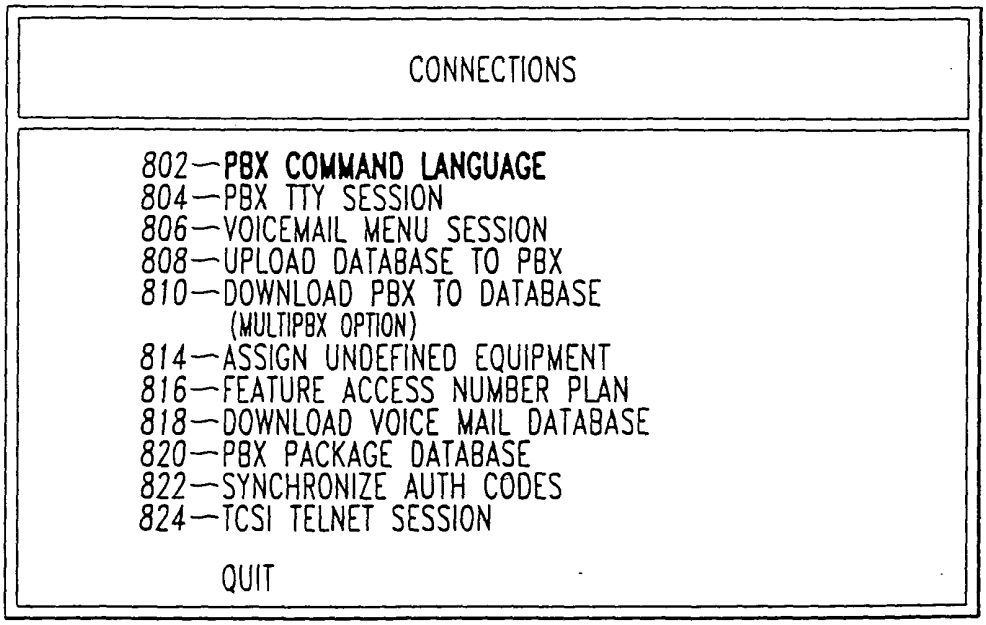
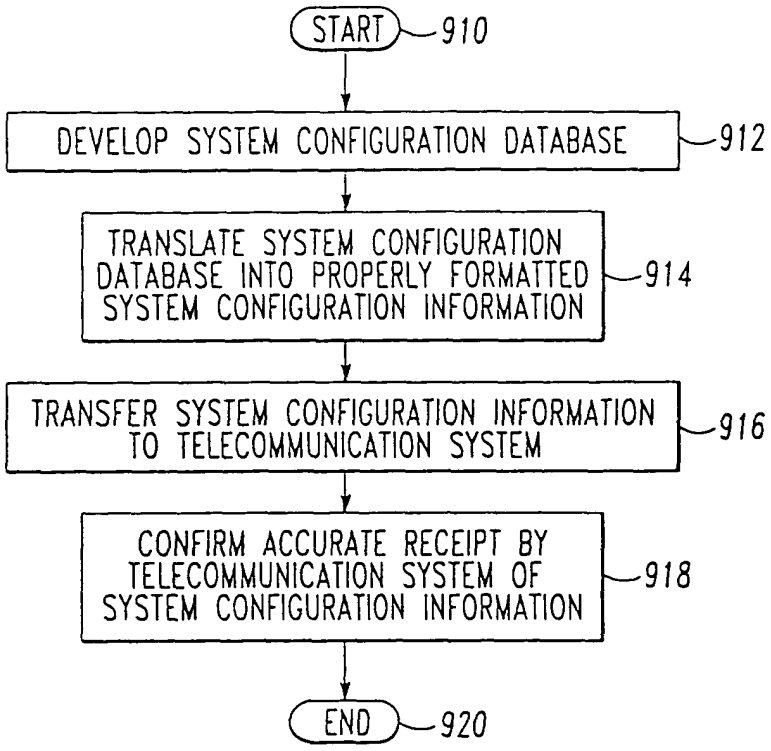

CONNECTIONS
802—PBX COMMAND LANGUAGE
804—PBX TTY SESSION
806—VOICEMAIL MENU SESSION
808—UPLOAD DATABASE TO PBX
810—DOWNLOAD PBX TO DATABASE
(MULTIPBX OPTION)
814—ASSIGN UNDEFINED EQUIPMENT
816—FEATURE ACCESS NUMBER PLAN
818—DOWNLOAD VOICE MAIL DATABASE
820—PBX PACKAGE DATABASE
822—SYNCHRONIZE AUTH CODES
824—TCSI TELNET SESSION
QUIT

FIG.8

FIG.9


START
910
DEVELOP SYSTEM CONFIGURATION DATABASE
912
TRANSLATE SYSTEM CONFIGURATION DATABASE INTO PROPERLY FORMATTED SYSTEM CONFIGURATION INFORMATION
914
TRANSFER SYSTEM CONFIGURATION INFORMATION TO TELECOMMUNICATION SYSTEM
916
CONFIRM ACCURATE RECEIPT BY TELECOMMUNICATION SYSTEM OF SYSTEM CONFIGURATION INFORMATION
918
END
920

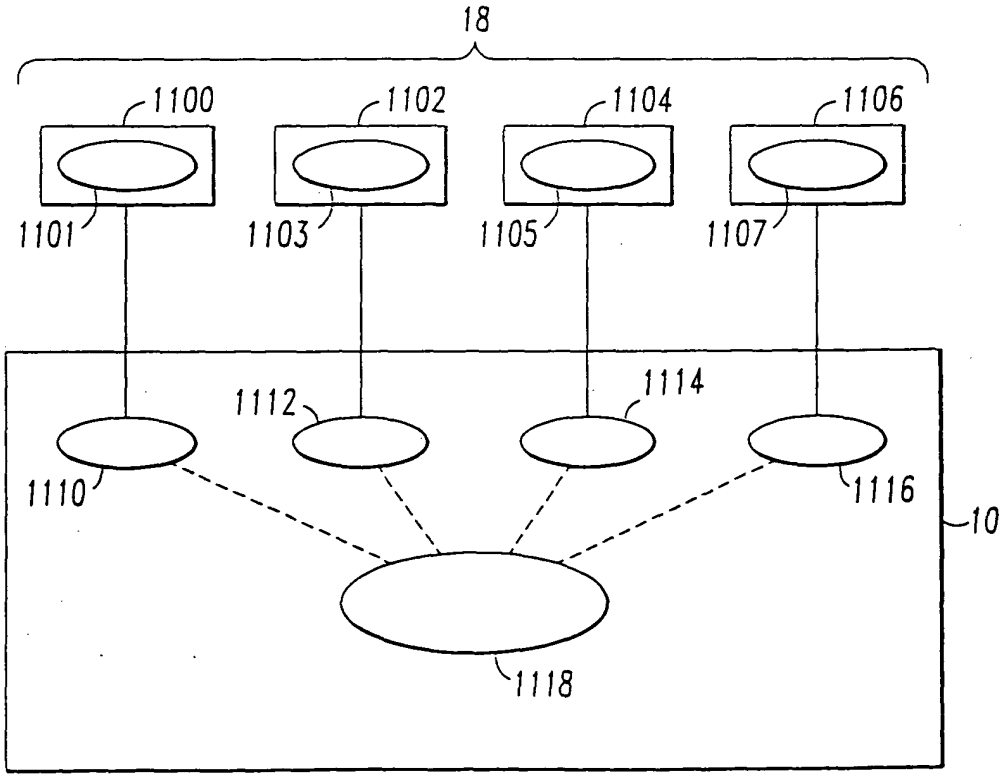

18
1100
1102
1104
1106
1101
1103
1105
1107
1112
1114
1110
1116
10
1118

FIG.11

FIG. 10A

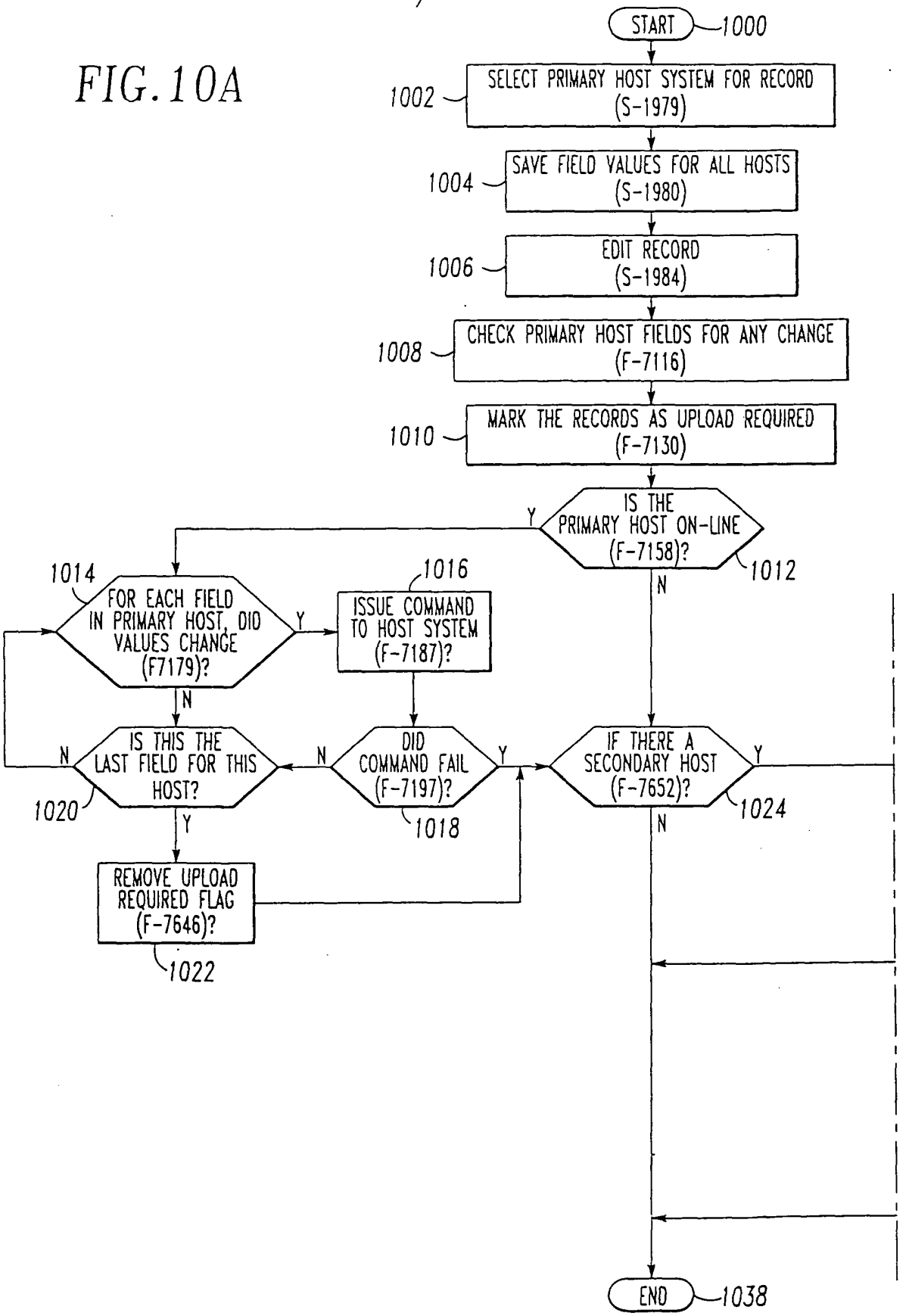
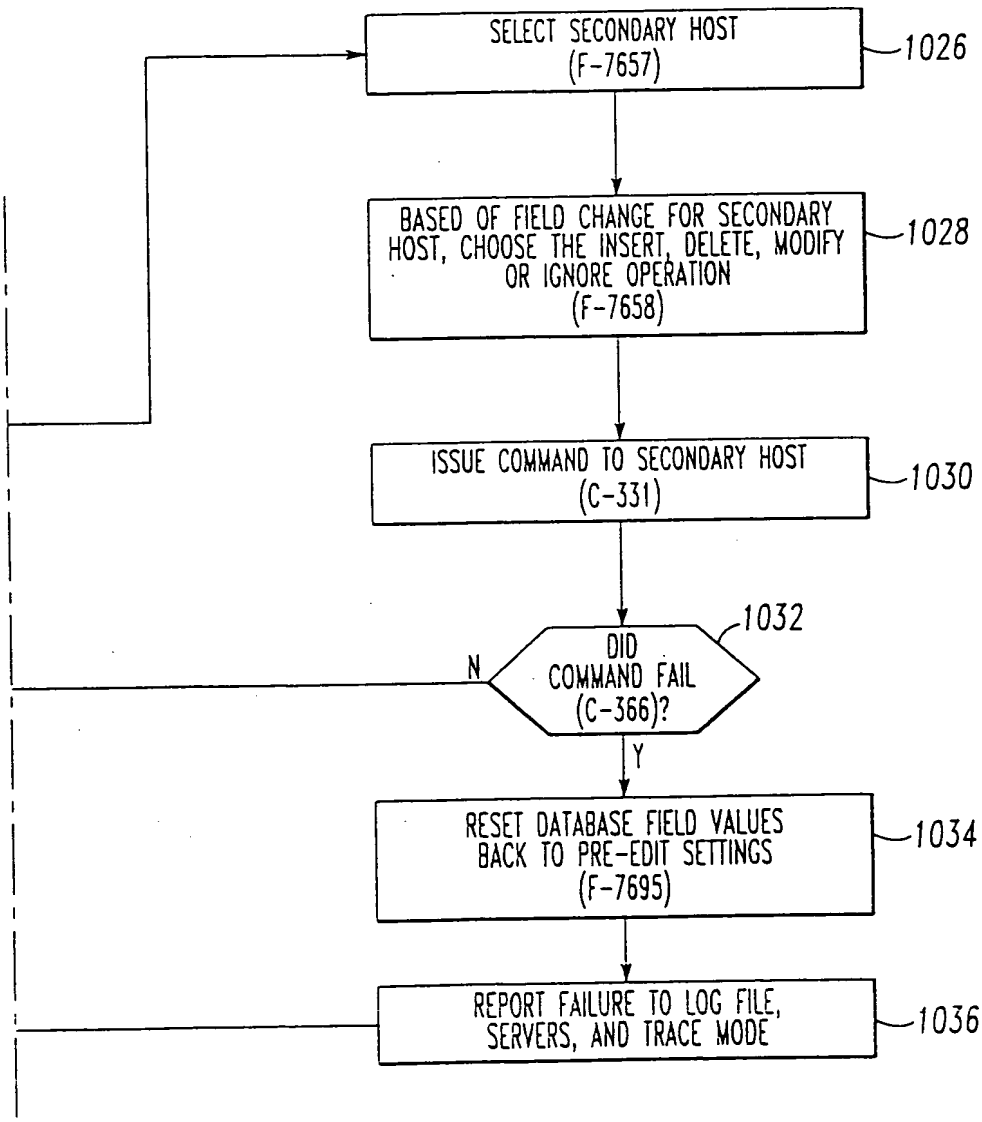

START
1000
SELECT PRIMARY HOST SYSTEM FOR RECORD (S-1979)
1002
SAVE FIELD VALUES FOR ALL HOSTS (S-1980)
1004
EDIT RECORD (S-1984)
1006
CHECK PRIMARY HOST FIELDS FOR ANY CHANGE (F-7116)
1008
MARK THE RECORDS AS UPLOAD REQUIRED (F-7130)
1010
IS THE PRIMARY HOST ON-LINE (F-7158)?
1012
Y
N
FOR EACH FIELD IN PRIMARY HOST, DID VALUES CHANGE (F7179)?
1014
Y
N
ISSUE COMMAND TO HOST SYSTEM (F-7187)?
1016
DID COMMAND FAIL (F-7197)?
1018
N
Y
IS THIS THE LAST FIELD FOR THIS HOST?
1020
N
Y
REMOVE UPLOAD REQUIRED FLAG (F-7646)?
1022
IF THERE A SECONDARY HOST (F-7652)?
1024
Y
N
END
1038

FIG. 10B


SELECT SECONDARY HOST
(F-7657)
1026
BASED OF FIELD CHANGE FOR SECONDARY HOST, CHOOSE THE INSERT, DELETE, MODIFY OR IGNORE OPERATION
(F-7658)
1028
ISSUE COMMAND TO SECONDARY HOST
(C-331)
1030
1032
DID COMMAND FAIL
(C-366)?
N
Y
RESET DATABASE FIELD VALUES BACK TO PRE-EDIT SETTINGS
(F-7695)
1034
REPORT FAILURE TO LOG FILE, SERVERS, AND TRACE MODE
1036